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TITLE: PRETREATMENT FOR ELECTROLESS PLATING  
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ABSTRACT:

PURPOSE: To provide a uniformly etched surface to an Al alloy substrate for a magnetic disk by pickling the substrate with a soln. contg. phosphoric acid and boric acid each at a specified concn. when the substrate is pretreated before electroless plating.

CONSTITUTION: An Al alloy substrate for a magnetic disk is pretreated by degreasing, pickling and metal substitution treatment before electroless plating. In the pickling stage, the substrate is pickled by immersion in a soln. contg. phosphoric acid and boric acid each at 5~50g/l concn. The

pickling temp. is about  $20 \sim 60^{\circ}\text{C}$ , preferably about  $30 \sim 40^{\circ}\text{C}$  and the pickling time is  $\geq$  about 2min, preferably about  $3 \sim 7$ min. Thus, a uniformly etched surface is provided to the substrate, and a uniform and dense metallic film as a base for electroless plating can be formed by the following metal substitution treatment.

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